

## Abstract

An optical fiber grating part comprising ;  
an elongated pedestal, and  
5 a base plate installed on said pedestal, and having a different coefficient of  
linear thermal expansion from said pedestal, and  
an optical fiber passing through said pedestal, and connected to connection  
points installed on said pedestal or said base plate located apart from each  
other in the longitudinal direction of said pedestal, and having an optical fiber  
10 grating located between said connection points,  
wherein a predetermined tensile force is added to said optical fiber grating,  
and  
said pedestal and said base plates thermally expand or thermally shrink  
independently in the longitudinal direction of said pedestal, and  
15 an extension line of an axis of said optical fiber joining said connection points  
passes through a contact surface between said pedestal and said base plate.